

Petroleum Release Section/Petroleum Tank Release Compensation Board Soil Boring/Monitoring Well Installation Unit Cost Worksheet

Contractor Information

Company Name: _____
 Address: _____
 City, State, Zip: _____
 Cost Estimator: _____ Phone: _____
 Signature: _____

Date

Workplan:
 Phase I:
 Phase II:
 Phase III:

Project Information and Specifications

Site Name: _____ Facility ID # _____
 Address: _____ Release # _____
 City: _____

Type of Drilling Equipment

☐ Hollow-Stem Augers ☐ Direct Push
☐ Air Rotary ☐ Other (please specify below)

Soil Boring

Number of Borings _____
 Boring Diameter (inches) _____
 Depth (per boring - ft) _____
 Surface: _____
 Concrete Asphalt Barren
 Soil Disposal: ☐ Onsite stockpile ☐ Drums
 Abandonment: ☐ Bentonite ☐ Soil Cuttings

Soil Sampling

Continuous Interval (specify interval below) _____
 No Sampling

Monitoring Well Specifications

Number of Wells _____
 Surface Barren Concrete Asphalt
 Depth (per well) _____
 Estimated Depth to Groundwater (ft) _____
 Boring Diameter (inches) _____
 Casing Diameter and type (inches) _____
 Blank Casing Length (ft) _____
 Screen Length (ft) _____
 Type of Filter Sand _____
 Depth and type of Seal _____
 Surface Completion: _____
 Flush Mount Aboveground
 Well Development: _____
 Surface discharge Drums

Cost Estimate Explanation:

- ⁽¹⁾ Mobilization/Demobilization: Includes all costs and mileage to transport equipment, materials, and personnel to and from the site location. More than one mobilization event of either the drilling rig or support vehicle will require justification and pre-approval by the DEQ-PRS and Board staffs. This item should be estimated on a per mile unit rate.
- ⁽²⁾ Soil Boring Installation: Includes all costs (labor, equipment, and materials) to drill, collect soil samples and abandon soil borings, as well as decontaminate equipment. Drilling costs should be estimated using a per foot unit rate. Unit cost should include handling of contaminated soil by stockpiling or placing in drums. Assume level "C" personal protective equipment.
- ⁽³⁾ Monitoring Well Installation: Includes all costs (labor, equipment, and materials) to drill, collect soil samples, and complete monitoring well to specifications and according to Montana Well Drillers Board rules, as well as decontaminate equipment. Drilling costs should be estimated using a per foot unit rate. Unit cost should include handling of contaminated soil by stockpiling or placing in drums. Assume level "C" personal protective equipment.
- ⁽⁴⁾ Drilling Standby: Drilling standby should be estimated on an hourly basis. Prior approval and justification for accumulating standby time is needed prior to billing.
- ⁽⁵⁾ Well Development: Includes all costs (labor, equipment, and materials) to develop monitoring wells. This task should be estimated using a per well unit rate.
- ⁽⁶⁾ Monitoring Well Abandonment: Includes all costs (labor, equipment, and materials) to properly abandon a well location according to the Montana Well Drillers Board rules. Abandonment costs should be estimated using a per well unit rate.

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TASK	UNIT COST	NUMBER OF UNITS	TOTAL COST
Mobilization/Demobilization ⁽¹⁾			
Mobilization/Demobilization: Drilling Rig	/mile		\$
Mobilization/Demobilization: Support Vehicle	/mile		\$
Soil Boring Installation ⁽²⁾			
Drilling (0'-50' range per boring)	/foot		\$
Drilling (50'-100' range per boring)	/foot		\$
Other (please specify) _____			\$
Monitoring Well Installation ⁽³⁾			
Drilling (0'-50' range per well)	/foot		\$
Drilling (50'-100' range per well)	/foot		\$
Other (please specify) _____			\$
Drilling Standby ⁽⁴⁾			
-prior approval needed	/hour		\$
Well Development ⁽⁵⁾			
Well Development _____	/well		\$
Monitoring Well Abandonment ⁽⁶⁾			
Abandonment _____	/well		\$
SUBTOTAL			

Lodging may only be paid at actual cost when documented by receipts.

Per Diem (specify number of individuals below)

Per Diem: Lodging	/person per day		\$
Per Diem: Food	\$23.00/person per day		\$
TOTAL PROJECT EXPENSE \$			

Special Conditions/Costs: _____

Additional Comments/Costs: _____
